

DA6 YUV A

SIX OUTPUT, HDTV/COMPONENT AND DIGITAL
AUDIO DISTRIBUTION AMPLIFIER

- 350 MHz (-3dB) video bandwidth, fully loaded
- Compatible with RGBS, RGsB, RsGsBs, on HDTV/component video and digital audio
- Gain/peaking adjustments
- AC or DC coupling per input
- Internal international power supply
- Rack mountable metal enclosure



The Extron DA 6 YUV A distribution amplifier splits a signal from a single HDTV/component video source and distributes it to up to six outputs, providing amplification and enhancement of the signal to maintain signal quality.



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DESCRIPTION

The Extron DA 6 YUV A is a one input, six output component and digital audio distribution amplifier for HDTV and DVD signal distribution. It accepts and distributes RGBS, RGsB, RsGsBs, HDTV/component video, and digital audio on female BNC connectors. It also offers DIP switches for adjusting video gain and peaking, as well as for selecting input AC or DC coupling. With 350 MHz (-3dB) video bandwidth, the DA 6 YUV A is perfect for maintaining signal integrity over long cable runs.

FEATURES

- 350 MHz (-3dB) video bandwidth, fully loaded
- Compatible with RGBS or RGsB, RsGsBs, HDTV/component video, S-video, composite video, and digital audio
- Gain/peaking adjustments
- AC or DC coupling per input
- LED power indicator
- 1U high, full rack width rugged, metal enclosure
- Internal international power supply

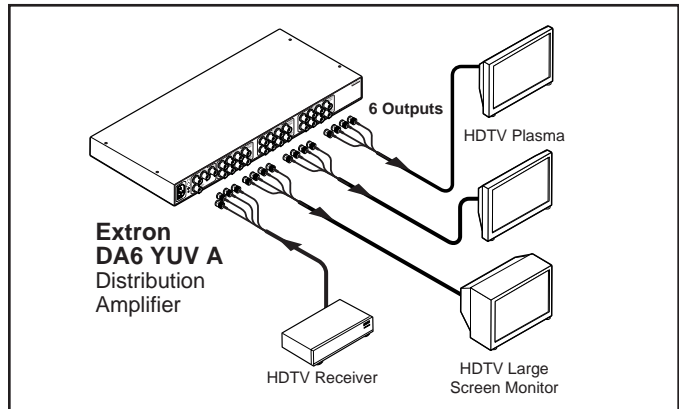
SPECIFICATIONS

VIDEO	
Gain	Unity (0.7V), or (0.8V) 100%, switch-selectable
Peaking.....	0dB or +6dB at 100 MHz, switch-selectable
Bandwidth	350 MHz (-3dB), fully loaded
Differential phase error	<1.0°, 0 to 100 MHz
Differential gain error	<1.0%, 0 to 100 MHz
VIDEO INPUT	
Number/signal type	1 RGBS (only when the digital audio channel is not used), RGsB, RsGsBs, component video, S-video, composite video
Connectors.....	3 or 4 BNC female (the fourth can be used for digital audio input instead of video sync)
Minimum/maximum levels.....	Analog, 0.3V p-p to 1.5V p-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 180 kHz
Vertical frequency	15 Hz to 170 Hz
Return loss	-38.5dB @ 5 MHz
Maximum DC offset	5.0V (in AC coupling mode)
AC/DC coupling.....	Yes, switch-selectable
VIDEO OUTPUT	
Number/signal type	6 RGBS (only when the digital audio channel is not used), RGsB, component video, S-video, composite video
Connectors.....	6 x 4 BNC female
Minimum/maximum level(s).....	0.3V p-p to 1.5V p-p
Impedance	75 ohms
Return loss	-44dB @ 5 MHz
DC offset	±5mV maximum with input at 0 offset

SPECIFICATIONS (CONT.)

SYNC	
Input/output type.....	RGBS (only when the digital audio channel is not used), RGsB, RsGsBs
Input level	Analog or TTL, 0.5V to 5V p-p
Output level	TTL, 5V p-p (not terminated)
Input impedance	510 ohms
Output impedance	75 ohms
Max. input voltage	5.0V p-p
Max. propagation delay	35 ns
Max. rise/fall time.....	4 ns
Polarity	Positive or negative (follows input)
DIGITAL AUDIO	
NOTE: Digital audio input/output is available when RGBS is not used as the video input signal.	
Sampling rates	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
DIGITAL AUDIO INPUT	
Number/signal type	1 Dolby Digital, DTS, AES/EBU
Connectors.....	1 BNC female
Impedance	510 ohms
Input level	0.5V p-p to 5V p-p
Max. input voltage.....	5V p-p
DIGITAL AUDIO OUTPUT	
Number/signal type	6 Dolby Digital, DTS, AES/EBU
Connectors.....	6 BNC female
Impedance	75 ohms
Output level	2.5V p-p, 75 ohms terminated
Max. propagation delay	35 ns
Max. rise/fall time.....	4 ns
Polarity	Positive or negative (follows input)
GENERAL	
Power	100VAC to 240VAC, 50/60 Hz, 10 watts, internal, autoswitchable
Rack mount	Yes, with included rack ears
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 8.5" D (1U high, full rack width) 4.4 cm H x 44.4 cm W x 24.1 cm D
Product weight.....	6 lbs (2.7 kg)
Shipping weight	12 lbs (5.4 kg)
Listings/Compliances	UL, CUL, CE, FCC Class A, VCCI, AS/NZS, ICES
Warranty	3 years parts and labor
Model	Part Numbers
DA6 YUV A	60-494-01
1U rack shelf	60-190-01

APPLICATION DIAGRAM



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